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TERMINAL (ENTER 1, 2, 3, OR ?):2

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and Features  
NEWS 8 FEB 16 INSPEC Adding Its Own IPC codes and Author's E-mail  
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NEWS 9 APR 02 CAS Registry Number Crossover Limits Increased to  
500,000 in Key STN Databases  
NEWS 10 APR 02 PATDPAFULL: Application and priority number formats  
enhanced  
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NEWS 13 APR 02 EMBASE Adds Unique Records from MEDLINE, Expanding  
Coverage back to 1948  
NEWS 14 APR 07 CA/Caplus CLASS Display Streamlined with Removal of  
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NEWS 17 JUN 16 WPI First View (File WPIFV) will no longer be  
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NEWS 18 JUN 18 DWPI: New coverage - French Granted Patents  
NEWS 19 JUN 18 CAS and FIZ Karlsruhe announce plans for a new  
STN platform  
NEWS 20 JUN 18 IPC codes have been added to the INSPEC backfile  
(1969-2009)  
NEWS 21 JUN 21 Removal of Pre-IPC 8 data fields streamline displays  
in CA/Caplus, CASREACT, and MARPAT  
NEWS 22 JUN 21 Access an additional 1.8 million records exclusively  
enhanced with 1.9 million CAS Registry Numbers --  
EMBASE Classic on STN  
NEWS 23 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years  
of Biofuel Research Reveal China Now Atop U.S. in

NEWS 24 JUN 29 Patenting and Commercialization of Bioethanol  
Enhanced Batch Search Options in DGENE, USGENE,  
and PCTGEN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,  
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:52:07 ON 16 JUL 2010

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 12:52:24 ON 16 JUL 2010  
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STRUCTURE FILE UPDATES: 15 JUL 2010 HIGHEST RN 1232397-02-2  
DICTIONARY FILE UPDATES: 15 JUL 2010 HIGHEST RN 1232397-02-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

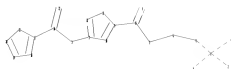
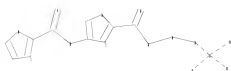
TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\10574995\Struc 1.str



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chain nodes :
1  2  3  4  5  6  7  8 14 15 16 22
ring nodes :
9 10 11 12 13 17 18 19 20 21
chain bonds :
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ring bonds :
9-10 9-13 10-11 11-12 12-13 17-18 17-21 18-19 19-20 20-21
exact/norm bonds :
1-2 1-3 1-4 1-5 4-6 6-7 7-8 8-9 8-14 9-10 9-13 10-11 11-12 11-15
12-13 15-16 16-17 16-22 17-18 17-21 18-19 19-20 20-21

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G1:C,N

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Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:CLASS

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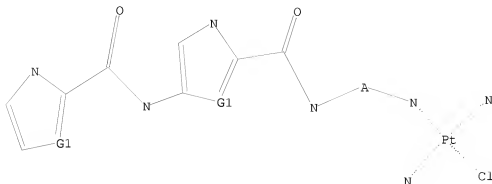
10574995.trn

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

=> l1

SAMPLE SEARCH INITIATED 12:53:01 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2 TO 124

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> l1 full

FULL SEARCH INITIATED 12:53:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 36 TO ITERATE

100.0% PROCESSED 36 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

191.54

191.76

FILE 'CAPLUS' ENTERED AT 12:53:11 ON 16 JUL 2010

10574995.trn

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FILE COVERS 1907 - 16 Jul 2010 VOL 153 ISS 4  
FILE LAST UPDATED: 15 Jul 2010 (20100715/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

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E3      0 -->  US2006-574995/AP
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L5      0 IBIB ABS
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=> d ibib abs l4

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L4  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:324136  CAPLUS
DOCUMENT NUMBER: 142:402927
TITLE: Sequence selective pyrrole and imidazole polyamide
metal complexes for targeting therapeutic or
diagnostic groups to polynucleotides
INVENTOR(S): Jaramillo, David; Brodie, Craig; Howard, Warren;
Taleb, Robin; Aldrich-Wright, Janice
PATENT ASSIGNEE(S): University of Western Sydney, Australia
SOURCE: PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005033077	A1	20050414	WO 2004-AU1368	20041007

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004278050 A1 20050414 AU 2004-278050 20041007  
EP 1678133 A1 20060712 EP 2004-761403 20041007

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR

CN 1863771 A 20061115 CN 2004-80029402 20041007  
ZA 2006003288 A 20070926 ZA 2006-3288 20041007

NZ 546896 A 20100129 NZ 2004-546896 20041007  
US 20070265240 A1 20071115 US 2007-574995 20070306 <--

PRIORITY APPLN. INFO.: AU 2003-905512 A 20031007  
WO 2004-AU1368 W 20041007

OTHER SOURCE(S): CASREACT 142:402927; MARPAT 142:402927

AB The present invention relates to the preparation of platinum-group metal complexes with sequence selective pyrrole and imidazole polyamide compds. for targeting therapeutic or diagnostic groups to polynucleotides. More particularly, the present invention relates to sequence selective targeting of metal complexes, such as metallodrugs and metallodiagnostics, to polynucleotides. For example, N-[5-[5-(2-aminoethylcarbamoyl)-2-methyl-1H-pyrryl-3-ylcarbamoyl]-1-methyl-2H-pyrrol-3-yl]-1-methyl-1H-imidazole-2-carboxamide (L) was prepared in a multistep process and reacted with trans-Pt(NH3)2Cl2 to give trans-PtL(NH3)2Cl. The affinity consts. of trans-PtL(NH3)2Cl with duplex DNA were determined. A pharmaceutical composition containing a complex such as trans-PtL(NH3)2Cl can be used to treat cancer, HIV and hepatitis C or as a diagnostic.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	12.03	203.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.85	-0.85

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 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> tra rn 1- 14

L6 TRANSFER L4 1- RN : 56 TERMS

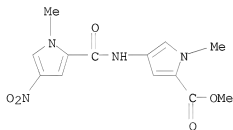
L7 56 L6

=> d scan

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[1-methyl-4-nitro-1H-pyrrol-2-  
 yl)carbonylamino]-, methyl ester

MF C13 H14 N4 O5



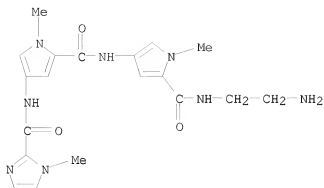
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

IN 1H-Imidazole-2-carboxamide, N-[5-[[[5-[[2-aminoethyl)amino]carbonyl]-1-  
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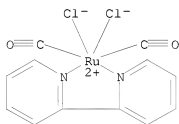
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\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):54

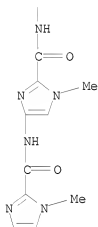
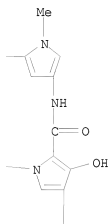
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ruthenium, (2,2'-bipyridine-κN1,κN1')dicarbonyldichloro-  
 MF C12 H8 C12 N2 O2 Ru  
 CI CCS



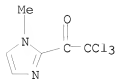
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L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
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 MF C54 H77 C12 N27 O11 Pt2  
 CI CCS





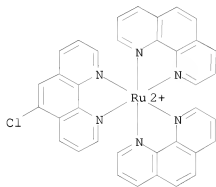
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ethanone, 2,2,2-trichloro-1-(1-methyl-1H-imidazol-2-yl)-  
 MF C6 H5 Cl3 N2 O



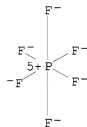
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
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CM 1



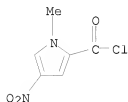
CM 2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

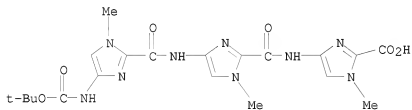
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carbonyl chloride, 1-methyl-4-nitro-

MF C6 H5 C1 N2 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-imidazole-2-carboxylic acid, 4-[[[4-[[[4-[[[1,1-dimethylethoxy)carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-  
 MF C20 H25 N9 O6



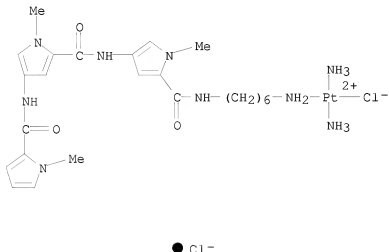
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
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 MF C5 H6 N2 O2  
 CI COM



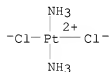
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Platinum(1+), [N-[5-[[[6-(amino-κN)hexylamino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI)  
 MF C24 H39 Cl N9 O3 Pt . Cl  
 CI CCS



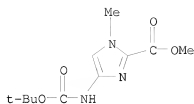
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 CI CCS, COM



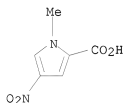
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
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 MF Cl1 H17 N3 O4



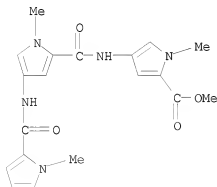
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
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 MF C6 H6 N2 O4



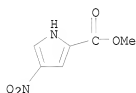
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[1-methyl-1H-  
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 MF C19 H21 N5 O4



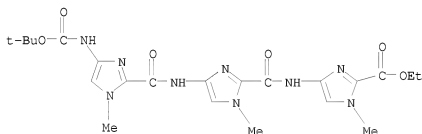
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 4-nitro-, methyl ester  
 MF C6 H6 N2 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Imidazole-2-carboxylic acid, 4-[[[4-[[[4-[[[1,1-dimethylethoxy)carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-, ethyl ester  
 MF C22 H29 N9 O6



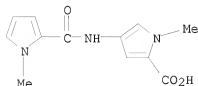
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ruthenium  
 MF Ru  
 CI COM

Ru

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-  
 MF C12 H13 N3 O3



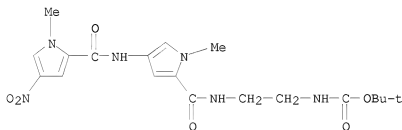
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Platinum  
 MF Pt  
 CI COM

Pt

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Carbamic acid, [2-[[[1-methyl-4-[[[(1-methyl-4-nitro-1H-pyrrol-2-yl)carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI)  
 MF C19 H26 N6 O6



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

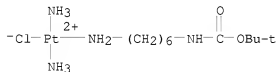
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-

MF C6 H7 N O2  
CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN Platinum(1+), diamminechloro[1,1-dimethylethyl  
[6-(amino-κN)hexyl]carbamate]-, (SP-4-2)- (9CI)  
MF C11 H30 Cl N4 O2 Pt  
CI CCS, COM

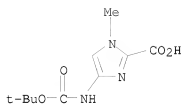


L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN Methanesulfonic acid, 1,1,1-trifluoro-  
MF C H F3 O3 S  
CI COM



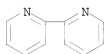
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 1H-Imidazole-2-carboxylic acid, 4-[[[1,1-dimethylethoxy)carbonyl]amino]-1-  
methyl-  
MF C10 H15 N3 O4



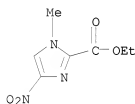
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 2,2'-Bipyridine  
 MF C10 H8 N2  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Imidazole-2-carboxylic acid, 1-methyl-4-nitro-, ethyl ester  
 MF C7 H9 N3 O4



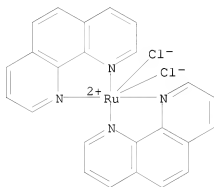
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ethane, 1,1',1'',1'''-[methylidynetris(oxy)]tris-  
 MF C7 H16 O3  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ruthenium, dichlorobis(1,10-phenanthroline-κN1,κN10)-  
 MF C24 H16 Cl2 N4 Ru  
 CI CCS, COM

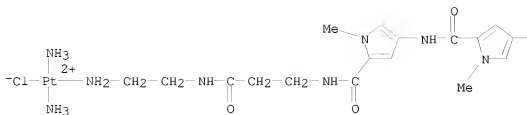


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

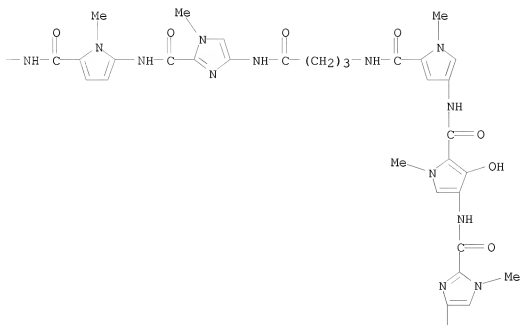
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Platinum(1+), [N-[5-[[[2-(amino-κN)ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI)  
 MF C19 H30 Cl N10 O3 Pt . Cl  
 CI CCS



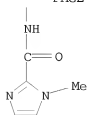
PAGE 1-A



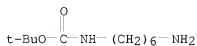
PAGE 1-B



PAGE 2-B



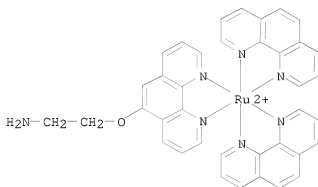
IN Carbamic acid, N-(6-aminohexyl)-, 1,1-dimethylethyl ester  
 MF C11 H24 N2 O2  
 CI COM



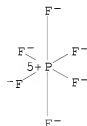
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ruthenium(2+), [2-[(1,10-phenanthrolin-5-yl-  
 κN1,κN10)oxy]ethanamine]bis(1,10-phenanthroline-  
 κN1,κN10)-, (OC-6-33)-, bis[hexafluorophosphate(1-)] (9CI)  
 MF C38 H29 N7 O Ru . 2 F6 P

CM 1

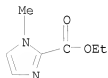


CM 2



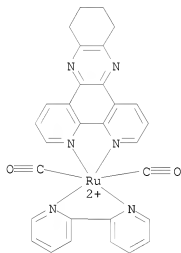
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Imidazole-2-carboxylic acid, 1-methyl-, ethyl ester  
 MF C7 H10 N2 O2  
 CI COM

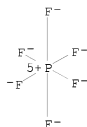


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

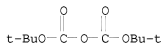
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ruthenium(2+), (2,2'-bipyridine-  
 $\kappa$ N1, $\kappa$ N1')dicarbonyl(10,11,12,13-tetrahydrodipyrro[3,2-a:2',3'-  
 c]phenazine- $\kappa$ N4, $\kappa$ N5)-, bis[hexafluorophosphate(1-)] (9CI)  
 MF C30 H22 N6 O2 Ru . 2 F6 P  
 CM 1



CM 2

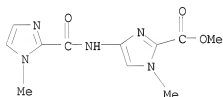


L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Dicarboxylic acid, C,C'-bis(1,1-dimethylethyl) ester  
 MF C10 H18 O5  
 CI COM



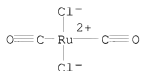
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Imidazole-2-carboxylic acid, 1-methyl-4-[[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-, methyl ester  
 MF C11 H13 N5 O3



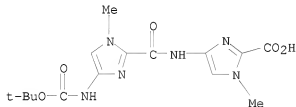
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Ruthenium, dicarbonyldichloro-  
 MF C2 Cl2 O2 Ru  
 CI CCS, COM



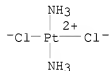
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Imidazole-2-carboxylic acid, 4-[[[4-[[[1,1-dimethylethoxy]carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-  
 MF C15 H20 N6 O5



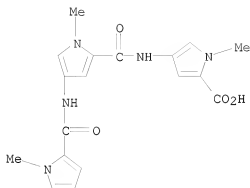
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Platinum, diamminedichloro-, (SP-4-1)-  
 MF Cl2 H6 N2 Pt  
 CI CCS, COM



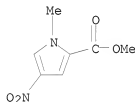
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[1-methyl-4-[[[1-methyl-1H-pyrrol-2-yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-  
 MF C18 H19 N5 O4



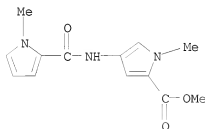
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-nitro-, methyl ester  
 MF C7 H8 N2 O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[(1-methyl-1H-pyrrol-2-yl)carbonylamino]-2-carboxy-1H-pyrrole-5-yl]methyl]-1H-pyrrole-2-carboxylic acid, 1-methyl-4-nitro-, methyl ester  
 MF C13 H15 N3 O3



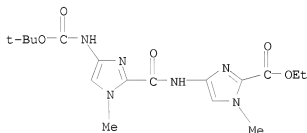
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Nitric acid  
 MF H N O3  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Imidazole-2-carboxylic acid, 4-[[[4-[[[1,1-dimethylethoxy)carbonyl]amino]-1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1-methyl-, ethyl ester  
 MF C17 H24 N6 O5



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

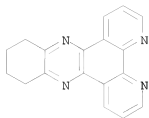
L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Rhodium  
 MF Rh  
 CI COM

Rh

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN Dipyrrodo[3,2-a:2',3'-c]phenazine, 10,11,12,13-tetrahydro-  
 MF C18 H14 N4

CI COM



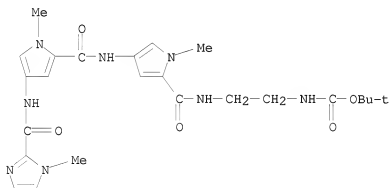
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN Palladium  
MF Pd  
CI COM

Pd

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN Carbamic acid, [2-[[[1-methyl-4-[[[1-methyl-4-[[1-methyl-1H-imidazol-2-yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]-1H-pyrrol-2-yl]carbonyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI)  
MF C24 H32 N8 O5

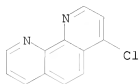


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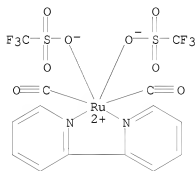
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IN 1,10-Phenanthroline, 4-chloro-  
MF C12 H7 Cl N2  
CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN Ruthenium, (2,2'-bipyridine-  
κN1,κN1')dicarbonylbis(trifluoromethanesulfonato-κO)-  
(9CI)  
MF C14 H8 F6 N2 O8 Ru S2  
CI CCS

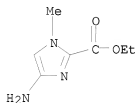


L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
IN 1H-Imidazole, 1-methyl-  
MF C4 H6 N2  
CI COM



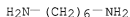
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Imidazole-2-carboxylic acid, 4-amino-1-methyl-, ethyl ester  
 MF C7 H11 N3 O2  
 CI COM



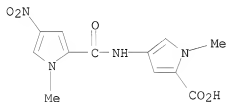
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1,6-Hexanediamine  
 MF C6 H16 N2  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1H-Pyrrole-2-carboxylic acid, 1-methyl-4-[[[(1-methyl-4-nitro-1H-pyrrol-2-yl)carbonyl]amino]-  
 MF C12 H12 N4 O5



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L7 56 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN  
 IN 1,2-Ethanediamine  
 MF C2 H8 N2  
 CI COM

H<sub>2</sub>N-CH<sub>2</sub>-CH<sub>2</sub>-NH<sub>2</sub>

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

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                                ENTRY      SESSION
FULL ESTIMATED COST          0.49      220.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                                ENTRY      SESSION
CA SUBSCRIBER PRICE          0.00      -0.85
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SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 12:56:07 ON 16 JUL 2010

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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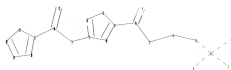
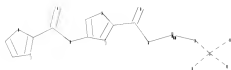
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\*\*\*\*\* RECONNECTED TO STN INTERNATIONAL \*\*\*\*\*  
SESSION RESUMED IN FILE 'REGISTRY' AT 12:57:48 ON 16 JUL 2010  
FILE 'REGISTRY' ENTERED AT 12:57:48 ON 16 JUL 2010  
COPYRIGHT (C) 2010 American Chemical Society (ACS)

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COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          0.49      220.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                                ENTRY      SESSION
CA SUBSCRIBER PRICE          0.00      -0.85
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1  2  3  4  5  6  7  8 14 15 16 22
ring nodes :
9 10 11 12 13 17 18 19 20 21
chain bonds :
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ring bonds :
9-10 9-13 10-11 11-12 12-13 17-18 17-21 18-19 19-20 20-21
exact/norm bonds :
1-2 1-3 1-4 1-5 4-6 6-7 7-8 8-9 8-14 9-10 9-13 10-11 11-12 11-15
12-13 15-16 16-17 16-22 17-18 17-21 18-19 19-20 20-21

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G1:C,N

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Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom
19:Atom 20:Atom 21:Atom 22:CLASS

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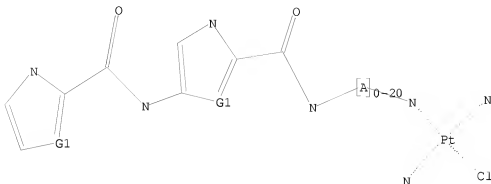
10574995.trn

L8 STRUCTURE UPLOADED

=> d

L8 HAS NO ANSWERS

L8 STR



G1 C,N

Structure attributes must be viewed using STN Express query preparation.

=> l8

SAMPLE SEARCH INITIATED 12:58:50 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 2 TO 124

PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> l8 full

FULL SEARCH INITIATED 12:58:54 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 36 TO ITERATE

100.0% PROCESSED 36 ITERATIONS

9 ANSWERS

SEARCH TIME: 00.00.01

L10 9 SEA SSS FUL L8

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY

SESSION

192.52

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

10574995.trn

	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.85

FILE 'CAPLUS' ENTERED AT 12:58:58 ON 16 JUL 2010  
FILE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE COVERS 1907 - 16 Jul 2010 VOL 153 ISS 4  
FILE LAST UPDATED: 15 Jul 2010 (20100715/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l10

L11 3 L10

=> d ibib abs hitstr 1-3

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:460473 CAPLUS

DOCUMENT NUMBER: 147:66212

TITLE: Synthesis of DNA-sequence-selective hairpin polyamide platinum complexes

AUTHOR(S): Taleb, Robin I.; Jaramillo, David; Wheate, Nial J.; Aldrich-Wright, Janice R.

CORPORATE SOURCE: School of Biomedical and Health Sciences, University of Western Sydney, Penrith Sout DC, NSW, Australia

SOURCE: Chemistry--A European Journal (2007), 13(11), 3177-3186

CODEN: CEUJED; ISSN: 0947-6539

PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Two DNA-sequence-selective hairpin polyamide platinum(II) complexes, containing pyrrole and imidazole heterocyclic rings, have been synthesized by different methods. A six-ring complex, selective for (A/T)GGG-(A/T) DNA

sequences, was made by using solid-phase synthesis, while an eight-ring complex, selective for (A/T)CCTG(A/TF) DNA sequences, was made by utilizing standard wet chemical Solid-phase synthesis resulted in a significantly higher yield, required less purification and is more efficient than the wet synthesis; as such, it is the preferred method for further work. The metal complexes were characterized by <sup>1</sup>H and <sup>195</sup>Pt NMR spectroscopy and ESI mass spectrometry. The two compds. provide a foundation for the synthesis of more complex mols. containing multiple hairpins and/or platinum groups.

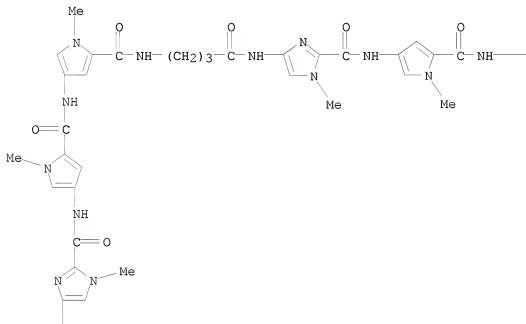
IT 940956-91-2P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(synthesis of DNA-sequence-selective hairpin polyamide platinum complexes)

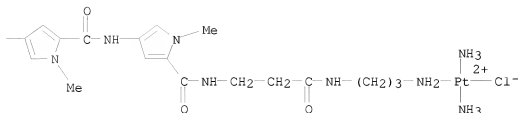
RN 940956-91-2 CAPLUS

CN Platinum(1+), [N-[5-[[[5-[[[4-[[2-[[[5-[[[5-[[[5-[[[3-[[3-(amino-κN)propyl]amino]-3-oxopropyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-imidazol-4-yl]amino]-4-oxobutyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-imidazole-2-carboxamide]diamminechloro-, (SP-4-2)- (CA INDEX NAME)

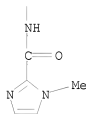
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OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD  
(6 CITINGS)  
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:619875 CAPLUS

DOCUMENT NUMBER: 145:264972

TITLE: Polyamide Platinum Anticancer Complexes Designed to  
Target Specific DNA Sequences

AUTHOR(S): Jaramillo, David; Wheate, Nial J.; Ralph, Stephen F.;  
Howard, Warren A.; Tor, Yitzhak; Aldrich-Wright,  
Janice R.

CORPORATE SOURCE: School of Biomedical and Health Sciences, University  
of Western Sydney, Campbelltown, 2560, Australia

SOURCE: Inorganic Chemistry (2006), 45(15), 6004-6013

CODEN: INOCAJ; ISSN: 0020-1669

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 145:264972

AB Two new platinum complexes, trans-chlorodiammine[N-(2-aminoethyl)-4-[4-(N-methylimidazole-2-carboxamido)-N-methylpyrrole-2-carboxamido]platinum(II) chloride (DJ1953-2) and trans-chlorodiammine[N-(6-aminoethyl)-4-[4-(N-methylimidazole-2-carboxamido)-N-methylpyrrole-2-carboxamido]platinum(II) chloride (DJ1953-6) have been synthesized as proof-of-concept mols. in the design of agents that can specifically target genes in DNA. Coordinate covalent binding to DNA was demonstrated with electrospray ionization mass spectrometry. Using CD, these complexes

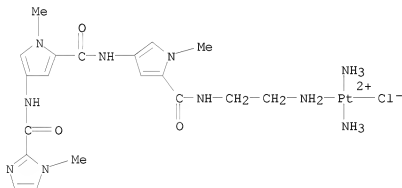
were found to show greater DNA binding affinity to the target sequence: d(CATTGTCAGAC)2, than toward either d(GTCTGTC AATG)2, which contains different flanking sequences, or d(CATTGAGAGAC)2, which contains a double base pair mismatch sequence. DJ1953-2 unwinds the DNA helix by around 13%, but neither metal complex significantly affects the DNA melting temperature. Unlike simple DNA minor groove binders, DJ1953-2 is able

to inhibit, in vitro, RNA synthesis. The cytotoxicity of both metal complexes in the L1210 murine leukemia cell line was also determined, with DJ1953-6 (34  $\mu$ M) more active than DJ1953-2 (>50  $\mu$ M). These results demonstrate the potential of polyamide platinum complexes and provide the structural basis for designer agents that are able to recognize biol. relevant sequences and prevent DNA transcription and replication.

IT 906675-13-6P, DJ 1953-2  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of DJ1953-2)

RN 906675-13-6 CAPLUS

CN Platinum(1+), [N-[5-[[[2-(amino- $\kappa$ N)ethyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI) (CA INDEX NAME)



● Cl<sup>-</sup>

IT 906675-14-7P, DJ 1953-6  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of DJ1953-6)

RN 906675-14-7 CAPLUS

CN Platinum(1+), [N-[5-[[[6-(amino- $\kappa$ N)hexyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[(1-methyl-1H-imidazol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI) (CA INDEX NAME)



R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR

CN 1863771	A	20061115	CN 2004-80029402	20041007
ZA 2006003288	A	20070926	ZA 2006-3288	20041007
NZ 546896	A	20100129	NZ 2004-546896	20041007
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PRIORITY APPLN. INFO.: AU 2003-905512 A 20031007  
WO 2004-AU1368 W 20041007

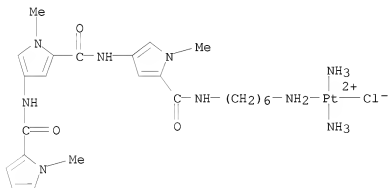
OTHER SOURCE(S): CASREACT 142:402927; MARPAT 142:402927

AB The present invention relates to the preparation of platinum-group metal complexes with sequence selective pyrrole and imidazole polyamide compds. for targeting therapeutic or diagnostic groups to polynucleotides. More particularly, the present invention relates to sequence selective targeting of metal complexes, such as metallodrugs and metallodiagnostics, to polynucleotides. For example, N-[5-[5-(2-aminoethylcarbamoyl)-2-methyl-1H-pyrrol-3-ylcarbamoyl]-1-methyl-2H-pyrrol-3-yl]-1-methyl-1H-imidazole-2-carboxamide (L) was prepared in a multistep process and reacted with trans-Pt(NH<sub>3</sub>)<sub>2</sub>Cl<sub>2</sub> to give trans-PtL(NH<sub>3</sub>)<sub>2</sub>Cl. The affinity consts. of trans-PtL(NH<sub>3</sub>)<sub>2</sub>Cl with duplex DNA were determined. A pharmaceutical composition containing a complex such as trans-PtL(NH<sub>3</sub>)<sub>2</sub>Cl can be used to treat cancer, HIV and hepatitis C or as a diagnostic.

IT 849665-10-7P 906675-13-6P  
RL: CPS (Chemical process); DGN (Diagnostic use); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
(preparation and binding consts. with DNA as anti-AIDS/antiviral/antitumor agents/diagnostic agents)

RN 849665-10-7 CAPLUS

CN Platinum(1+), [N-[5-[[[6-(amino-κN)hexyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[(1-methyl-1H-pyrrol-2-yl)carbonyl]amino]-1H-pyrrole-2-carboxamide]diamminechloro-, chloride, (SP-4-2)- (9CI) (CA INDEX NAME)



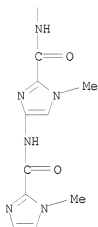
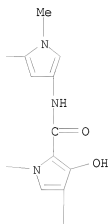
● Cl<sup>-</sup>

RN 906675-13-6 CAPLUS

CN Platinum(1+), [N-[5-[[[2-(amino-κN)ethyl]amino]carbonyl]-1-methyl-1H-

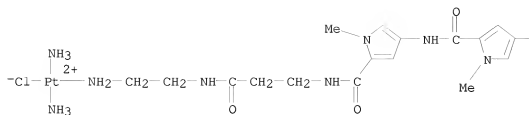




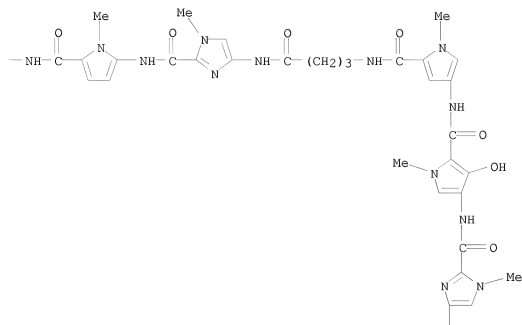


RN 849665-19-6 CAPLUS  
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 pyrrol-2-yl]amino]carbonyl]-1-methyl-1H-imidazol-4-yl]amino]-4-  
 oxobutyl]amino]carbonyl]-1-methyl-1H-pyrrol-3-yl]amino]carbonyl]-4-hydroxy-  
 1-methyl-1H-pyrrol-3-yl]-1-methyl-4-[[[(1-methyl-1H-imidazol-2-  
 yl)carbonyl]amino]-1H-imidazole-2-carboxamide]diamminechloro- (9CI) (CA  
 INDEX NAME)

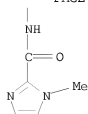
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RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
17.93	430.23

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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STN INTERNATIONAL SESSION SUSPENDED AT 12:59:09 ON 16 JUL 2010